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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/765,226	01/18/2001	Baining Liu	101215-55	7377
75	590 09/25/2002			
Bruce S. Londa NORRIS, McLAUGHLIN & MARCUS, P.A 30th Floor			EXAMINER	
			NGUYEN, TUAN M	
220 East 42nd Street New York, NY 10017			ART UNIT	PAPER NUMBER
			2828	
			DATE MAILED: 09/25/2002	

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)	MW
	09/765,226	LIU ET AL.	
Office Action Summary	Examiner	Art Unit	
	Tuan M Nguyen	2828	
The MAILING DATE of this c mmunication ap Period for Reply	pears on the cover sheet w	ith the correspondence address -	
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a rep If NO period for reply is specified above, the maximum statutory period Failure to reply within the set or extended period for reply will, by statut Any reply received by the Office later than three months after the mailir earned patent term adjustment. See 37 CFR 1.704(b). Status	136(a). In no event, however, may a loby within the statutory minimum of thir will apply and will expire SIX (6) MON te, cause the application to become Al	reply be timely filed ty (30) days will be considered timely. ITHS from the mailing date of this communication BANDONED (35 U.S.C. § 133).	ation.
1)⊠ Responsive to communication(s) filed on <u>01-</u>	<u>-18-01</u> .		
	his action is non-final.		
3) Since this application is in condition for allow closed in accordance with the practice under Disposition of Claims			ts is
4) ☐ Claim(s) 1 and 2 is/are pending in the application	ation		
4a) Of the above claim(s) is/are withdra			
5) Claim(s) is/are allowed.		0 4	
6)⊠ Claim(s) <u>1 and 2</u> is/are rejected.		Paul	
7) Claim(s) is/are objected to.		PAUL IP	
8) Claim(s) are subject to restriction and/o	or election requirement.	SUPERVISORY PATENT EXAMINE TECHNOLOGY CENTER 2800	R
9)☐ The specification is objected to by the Examine	er		
10) ☐ The drawing(s) filed on is/are: a) ☐ acce		he Examiner	
Applicant may not request that any objection to the	•		
11) The proposed drawing correction filed on			
If approved, corrected drawings are required in re		,	
12) The oath or declaration is objected to by the E	xaminer.		
Priority under 35 U.S.C. §§ 119 and 120			
13) Acknowledgment is made of a claim for foreig	n priority under 35 U.S.C.	§ 119(a)-(d) or (f).	
a) ☐ All b) ☐ Some * c) ☐ None of:			
1. Certified copies of the priority documen	its have been received.		
2. Certified copies of the priority documen	its have been received in A	application No	
 3. Copies of the certified copies of the price application from the International Both See the attached detailed Office action for a list 	ureau (PCT Rule 17.2(a)).	_	
14) Acknowledgment is made of a claim for domes	tic priority under 35 U.S.C.	§ 119(e) (to a provisional applic	ation).
 a) The translation of the foreign language pr 15) Acknowledgment is made of a claim for domes 	• •		
Attachment(s)			
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice of	Summary (PTO-413) Paper No(s) Informal Patent Application (PTO-152)	
S. Patent and Trademark Office			

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DETAILED ACTION

Drawings

1. The drawings (figs. 1-2) are objected for minor informalities. The figures 1-2 are not labeled as required by 37 CFR 1.83(a). Applicant is required to submit a drawing correction for approval as require by rule 37 CFR 1.123.

Claim Rejections - 35 USC § 112

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-2 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 1, recites a frequency converted laser apparatus using frequency converting crystals comprising an optical pumping source that produces fundamental laser radiation; an external resonator cavity having one frequency conversion crystal within said resonant cavity; or just beam path frequency converting crystals where the beam path direction of the crystals is checked according to the best output powered before installation. The claim fails to provide sufficient means or any structure for a frequency converted laser. The claim also recite "or just beam path" it is not clear what is "or just beam path" means. The claim also recites "according to the best output power before installation" it is unclear what is "the best output power" means, which render the claim confusing, vague and indefinite.

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Claim 2, recites where the "to-be-used" direction of said frequency conversion crystal in the laser. It is not clear what is "well defined or clearly marked" means, which render the claim confusing, vague and indefinite.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

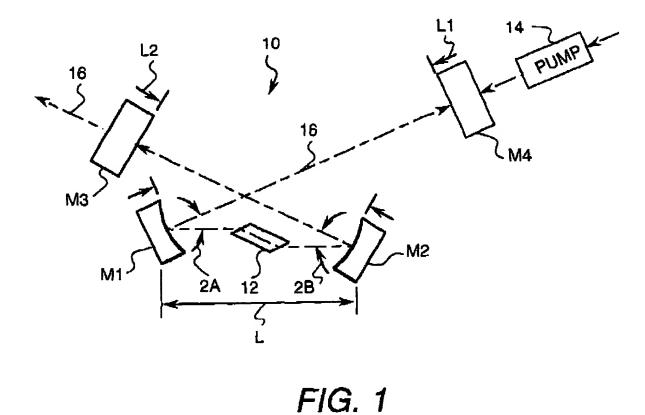
(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-2 are rejected under 35 U.S.C. 102(b) as being anticipated by Staver et al (US patent 5,953,354).

With respect to claims 1-2, Staver et al disclose laser resonator optical alignment comprising a laser cavity (10) is consider as a resonator cavity, an optical pump source (14), a laser medium (12) is consider as conversional laser crystal or a conventional Brewster angle, note cols 4-5, see fig. 1 below.

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Citation Of The Pertinent References

4. The prior art made of record and not relied upon us considered pertinent to applicant's disclose.

The patent to Stultz (US patent 5,687,186) discloses eyesafe laser transmitter with single resonator cavity for both pump laser and optical parameter oscillator.

The patent to Geiger (US patent 5,117,126) discloses stacked optical parameter oscillator.

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Communication Information

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan M Nguyen whose telephone number is (703) 306-0247. The examiner can normally be reached on 8am to 5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paul Ip can be reached on (703) 308-3098. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 306-5511 for regular communications and (703) 306-5511 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 306-3329.

Paul Ip SPE

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TMN September 11, 2002